

From: David Weaver [david.weaver@bryant-eng.com]
Sent: Wednesday, July 01, 2009 11:02 AM
To: Jackson, Adam (EEC)
Cc: 'Joe Schepers'
Subject: Harsh Ditch, Phase II AI No. 69138 / APE20090002

Attachments: 07-1-2009_DAVID.PDF

Mr. Jackson:

Please accept this Email as a follow up to our June 24, 2009 Letter regarding Harsh Ditch, Phase II Water Quality Permit; AI No. 69139; and APE20090002. For your convenience we have attached an electronic copy of said letter.

Item #4 of the letter addresses three sections of existing channel where we proposed to fill or pave existing channel:

- a. Harsh Ditch Adjacent to the Owensboro Country Club
- b. Harsh Ditch Adjacent to Williamsburg Square
- c. Harsh Ditch between 27th Street and US 231

The City of Owensboro has been unable to obtain the necessary easements to fill the section of channel indicated as item 4b above and has decided to eliminate this from the project. In addition the project limits have been revised to end downstream of 27th Street. Therefore; paving the section of channel indicated in item 4c has been eliminated from the project.

The permit does still include filling of the channel as indicated in item 4a. As described in the June 24, 2009 letter, the City has safety concerns in this area that need to be addressed.

Below please note revisions to our original project summary regarding project impacts:

Summary

- a. A total of ~~1,225-Ft~~ **875** of existing channel, as discussed in 4a ~~and 4b above~~, will be filled for safety reasons to a higher elevation. The resulting channels in ~~these areas~~ **this area** will be grass lined.
- ~~b. A total of 800-Ft of existing channel, as discussed in 4c will be replaced with a concrete lined ditch for hydraulic and maintenance reasons.~~
- c. A total of 670-Ft of existing paved channel will be replaced with an aquatic shelf, as discussed in 6a.
- d. A total of 550-Ft running feet of submerged islands will be added to the channel as discussed in 6b.
- e. Based on the summary above, ~~2,025-Ft (1,225+800)~~ **875** of channel is being impacted in a negative way and 1,220-Ft (670+550) of channel is being improved. The resulting impact is ~~805-Ft (2,025-1,220)~~ **345 Ft (875-1,220)** of channel **being impacted in a positive manner. The impact of the 805-Ft is offset by** In addition to the overall improvement to the net difference of 345 Ft of channel, the project includes the water quality improvements described under item 5.

Sincerely,



cid:image001.jpg@

R. David Weaver, P.E., P.L.S.
Project Manager / Principal
Bryant Engineering, Inc.
P.O. Box 21382
Owensboro, KY 42304
Cell: (270)316-7235
ph: (270)685-2811
fax: (270)683-4991
<mailto:david.weaver@bryant-eng.com>